NAKAI-008US

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First Named Inventor

**DECLARATION FOR UTILITY OR** 

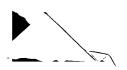
| DESIGN                                                                                                                                                                                                                                                                                                                                                |                                                                                       |                                         | -irst Nameu   |               | Saito, S    | hinichiro   |            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------|---------------|---------------|-------------|-------------|------------|
| PATENT APPLICATION                                                                                                                                                                                                                                                                                                                                    |                                                                                       |                                         |               | СОМ           | PLETE IF KI | IOWN        |            |
| (37 CFR 1.63)                                                                                                                                                                                                                                                                                                                                         |                                                                                       | <u> </u>                                | Application N | lumber        | Unknow      | 1           |            |
| X Declaration Submitted OR With Initial                                                                                                                                                                                                                                                                                                               | Declaration                                                                           | on į                                    | Filing Date   |               | Herewith    | ı           |            |
|                                                                                                                                                                                                                                                                                                                                                       | Submitted after Initial Filing (surcharge                                             |                                         | Art Unit      |               | Unknow      | n           |            |
| Filing                                                                                                                                                                                                                                                                                                                                                | (37 CFR required)                                                                     | 1.16 (e))                               | Examiner Na   | ime           | Unknow      | 1           |            |
| I hereby declare that:                                                                                                                                                                                                                                                                                                                                |                                                                                       |                                         |               |               |             |             |            |
| Each inventor's residence, maili                                                                                                                                                                                                                                                                                                                      | ng address, an                                                                        | d citizenship are as                    | s stated bet  | ow next to th | eir name.   |             |            |
| I believe the inventor(s) named                                                                                                                                                                                                                                                                                                                       | below to be the                                                                       | e original and first i                  |               |               | •           | h is claime | ed and for |
| which a patent is sought on the                                                                                                                                                                                                                                                                                                                       | invention entitle                                                                     | ed:                                     |               |               |             |             |            |
| COMBUSTION GAS EX                                                                                                                                                                                                                                                                                                                                     | XTRACTIO                                                                              | N PROBE AND                             | COMB          | USTION G      | AS TREA     | TMENT       | METHOD     |
|                                                                                                                                                                                                                                                                                                                                                       |                                                                                       |                                         |               |               |             |             |            |
|                                                                                                                                                                                                                                                                                                                                                       |                                                                                       |                                         |               |               |             |             |            |
|                                                                                                                                                                                                                                                                                                                                                       |                                                                                       | (Title of the                           | Invention)    |               |             |             |            |
| the specification of which                                                                                                                                                                                                                                                                                                                            |                                                                                       | (,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | ,             |               |             |             |            |
| is attached hereto                                                                                                                                                                                                                                                                                                                                    |                                                                                       |                                         |               |               |             |             | :          |
| OR                                                                                                                                                                                                                                                                                                                                                    |                                                                                       |                                         |               |               |             |             |            |
| X was filed on (MM/DD/YYYY) 11/16/2004 as United States Application Number or PCT International                                                                                                                                                                                                                                                       |                                                                                       |                                         |               |               |             |             |            |
| Application Number PCT/JP2                                                                                                                                                                                                                                                                                                                            | Application Number PCT/JP2004/016991 and was amended on (MM/DD/YYYY) (if applicable). |                                         |               |               |             |             |            |
| I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.                                                                                                                                                              |                                                                                       |                                         |               |               |             |             |            |
| I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application. |                                                                                       |                                         |               |               |             |             |            |
| I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent,                                                                                                                                                                                                                       |                                                                                       |                                         |               |               |             |             |            |
| inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign                                                                                      |                                                                                       |                                         |               |               |             |             |            |
| application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date                                                                                                                                                                                                                |                                                                                       |                                         |               |               |             |             |            |
| before that of the application on which priority is claimed.                                                                                                                                                                                                                                                                                          |                                                                                       |                                         |               |               |             |             |            |
| Prior Foreign Application Number(s)                                                                                                                                                                                                                                                                                                                   | Country                                                                               | Foreign Filing<br>(MM/DD/YY             |               | Not Cla       |             |             | s No       |
| 2003-387441                                                                                                                                                                                                                                                                                                                                           | JAPAN                                                                                 | 11/18/20                                | 03            |               | ]           |             | X          |
| PCT/JP2004/016991                                                                                                                                                                                                                                                                                                                                     | PCT                                                                                   | 11/16/20                                | 04            |               | ]           |             | X          |

Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

[Page 1 of 2]

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



## **DECLARATION** — Utility or Design Patent Application

| Direct all correspondence to:                                                                                                                                                                                                                                                                                                                                                                                                                                             | X Customer Number: 007663 OR Correspondence address belo |                 |            |             |            | spondence address below |                  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|-----------------|------------|-------------|------------|-------------------------|------------------|--|
| Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                          |                 |            |             |            | <del></del>             |                  |  |
| ATTN: Mark B. Garred                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                          |                 |            |             |            |                         |                  |  |
| Address                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                          |                 |            |             |            | ·                       |                  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                          |                 |            |             |            |                         |                  |  |
| City                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                          |                 | State      |             |            |                         | ZIP              |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                          |                 |            |             |            |                         |                  |  |
| Country                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                          | Telephone       | · <b>!</b> |             | Fax        |                         |                  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                          |                 |            |             |            |                         | •                |  |
| I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. |                                                          |                 |            |             |            |                         |                  |  |
| NAME OF SOLE OR FIRST IN                                                                                                                                                                                                                                                                                                                                                                                                                                                  | VENTOR:                                                  |                 | etition ha | as beer     | n filed fo | r this unsig            | ned inventor     |  |
| Given Name<br>(first and middle [if any])                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                          |                 |            |             | mily Nan   |                         |                  |  |
| Shini                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | chiro                                                    |                 |            | or          | Surname    | Saito                   |                  |  |
| Inventor's                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                          | 0 .1            |            |             |            |                         | Date             |  |
| Signature Shir                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ichirou e                                                | Saito           |            |             |            |                         | June 2, 2006     |  |
| Residence: City                                                                                                                                                                                                                                                                                                                                                                                                                                                           | State                                                    |                 | Country    | у           |            | Citize                  | enship           |  |
| Kumagaya-shi                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Saitama                                                  |                 |            | Japan       |            |                         | Japanese         |  |
| Mailing Address 1-121, 2-Chome, Tsukimi-cho                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                          |                 |            |             |            |                         |                  |  |
| City                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | State                                                    |                 | ZIP        |             |            |                         | Country          |  |
| Kumagaya-shi                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Saitama                                                  |                 |            | 360-0825    |            | 25                      | Japan            |  |
| NAME OF SECOND INVENTOR:  A petition has been filed for this unsigned inventor                                                                                                                                                                                                                                                                                                                                                                                            |                                                          |                 |            |             |            |                         |                  |  |
| Given Name (first and middle [if any])                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                          |                 |            | Family Name |            |                         |                  |  |
| 1 akaniko Suzuki                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                          |                 |            |             |            |                         |                  |  |
| Inventor's<br>Signature                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1116                                                     | .0 /            |            |             |            |                         | Date             |  |
| Signature Sabaliko Suguki  Residence: City State                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                          |                 | Country    |             |            |                         | June 2, 2006     |  |
| •                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                          | •4              |            |             | Citize     |                         | •                |  |
| Kumagaya-shi<br>Mailing Address                                                                                                                                                                                                                                                                                                                                                                                                                                           | Saitama                                                  |                 | Japan      |             |            | Japanese                |                  |  |
| 1-221, 1230 Ishihara                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                          |                 |            |             |            |                         |                  |  |
| City                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | State                                                    |                 | ZIP        |             | IP Count   |                         | try              |  |
| Kumagaya-shi                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                          | Saitama         |            |             | 360-0816   |                         | Japan            |  |
| Additional inventors or a legal rep                                                                                                                                                                                                                                                                                                                                                                                                                                       | oresentative are bei                                     | ng named on the | supplement | al sheet(s  | s) PTO/SB  | /02A or 02LR            | attached hereto. |  |

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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| STATEMENT UNDER 37 CFR 3.73(b)                                                |                                                                                                                                   |  |  |  |  |  |
|-------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|
| Applicant/Patent Owner: Shinichiro Saito                                      | et al.                                                                                                                            |  |  |  |  |  |
| Application No./Patent No.: Filed/Issue Date:                                 |                                                                                                                                   |  |  |  |  |  |
| Entitled: Combustion Gas Extraction Probe and Combustion Gas Treatment Method |                                                                                                                                   |  |  |  |  |  |
| Taiheiyo Cement Corporation                                                   | , a Japanese Corporation,                                                                                                         |  |  |  |  |  |
| (Name of Assignee)                                                            | (Type of Assignee, e.g. corporation, partnership, university, government agency, etc.)                                            |  |  |  |  |  |
| states that it is:  1. X the assignee of the entire right, title,             | , and interest; or                                                                                                                |  |  |  |  |  |
| 2.   an assignee of less than the entire r                                    | right, title and interest.                                                                                                        |  |  |  |  |  |
| The extent (by, percentage) of its ov                                         |                                                                                                                                   |  |  |  |  |  |
| in the patent application/patent identified a                                 | bove by virtue of either:                                                                                                         |  |  |  |  |  |
|                                                                               | of the patent application/patent identified above. The assignment Patent and Trademark Office at Reel, Frame, or for              |  |  |  |  |  |
| OR                                                                            |                                                                                                                                   |  |  |  |  |  |
| assignee as shown below:                                                      | of the patent application/patent identified above, to the current                                                                 |  |  |  |  |  |
| 1. From:                                                                      | To:                                                                                                                               |  |  |  |  |  |
|                                                                               | n the United States Patent and Trademark Office at, or for which a copy thereof is attached.                                      |  |  |  |  |  |
|                                                                               | To:                                                                                                                               |  |  |  |  |  |
| The document was recorded i                                                   | n the United States Patent and Trademark Office at, or for which a copy thereof is attached.                                      |  |  |  |  |  |
| 3. From:                                                                      | To:                                                                                                                               |  |  |  |  |  |
|                                                                               | n the United States Patent and Trademark Office at, or for which a copy thereof is attached.                                      |  |  |  |  |  |
| [ ] Additional documents in the c                                             | hain of title are listed on a supplemental sheet.                                                                                 |  |  |  |  |  |
|                                                                               | nal assignment document or a true copy of the original document) ion in accordance with 37 CFR Part 3, if the assignment is to be |  |  |  |  |  |
| The undersigned (whose title is supplied be                                   | elow) is authorized to act on behalf of the assignee.                                                                             |  |  |  |  |  |
| June 2, 2006                                                                  | Fumio Sameshima                                                                                                                   |  |  |  |  |  |
| June 2, 2006  Date                                                            | Typed or printed name                                                                                                             |  |  |  |  |  |
|                                                                               | Signature                                                                                                                         |  |  |  |  |  |
|                                                                               | President Title                                                                                                                   |  |  |  |  |  |

PTO/SB/81 (11-04)

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|---------------------------------------------------------------|------------------------------------------|----------------------|--|--|--|
| POWER OF ATTORNEY and CORRESPONDENCE ADDRESS                  | Application Number                       | Unknown              |  |  |  |
|                                                               | Filing Date                              | Herewith             |  |  |  |
|                                                               | First Named Inventor                     | Shinichiro Saito     |  |  |  |
|                                                               | Title                                    | Combustion Gas Probe |  |  |  |
| INDICATION FORM                                               | Art Unit                                 | Unknown              |  |  |  |
| INDICATION FORIN                                              | Examiner Name                            | Unknown              |  |  |  |
|                                                               | Attorney Docket Number                   | NAKAI-008US          |  |  |  |

| I hereby revoke all previous powers of attorney given in the above-identified application.                                                                                                            |                                                  |                 |          |                     |               |                 |              |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|-----------------|----------|---------------------|---------------|-----------------|--------------|
| I hereby appoint:                                                                                                                                                                                     |                                                  |                 |          |                     |               |                 |              |
| X Practitioners associated with the Customer Number:                                                                                                                                                  |                                                  |                 | 007      | 7663                |               |                 |              |
| Practitioner(s) named below:                                                                                                                                                                          |                                                  |                 |          |                     |               |                 |              |
|                                                                                                                                                                                                       | Name                                             |                 |          | Registration        | on Numbe      | er              |              |
|                                                                                                                                                                                                       |                                                  |                 |          |                     | <del>-,</del> | <del></del>     |              |
| -                                                                                                                                                                                                     |                                                  |                 |          |                     |               |                 | <del> </del> |
|                                                                                                                                                                                                       |                                                  |                 |          |                     |               |                 |              |
|                                                                                                                                                                                                       |                                                  | -+-             |          |                     |               |                 |              |
| as my/our attorney(s) or agent<br>Trademark Office connected th                                                                                                                                       | (s) to prosecute the application in<br>herewith. | dentified above | , and to | transact all busine | ess in the    | United States F | atent and    |
| Please recognize or change the correspondence address for the above-identified application to:  The address associated with the above-mentioned Customer Number:                                      |                                                  |                 |          |                     |               |                 |              |
| The address associated with Customer Number:                                                                                                                                                          |                                                  |                 |          |                     |               |                 |              |
| X Firm or Individual Name                                                                                                                                                                             | STETINA BRUNDA GA                                | ARRED & F       | 3RUCI    | KER                 |               |                 |              |
| Address                                                                                                                                                                                               | 75 Enterprise, Suite 250                         |                 |          |                     |               |                 |              |
| City                                                                                                                                                                                                  | Aliso Viejo                                      |                 | State    | CA Zip 92656        |               |                 |              |
| Country Telephone                                                                                                                                                                                     | USA                                              |                 | F        | 1040.055.6071       |               |                 |              |
| I am the:                                                                                                                                                                                             | 949-855-1246                                     |                 | Fax      | 949-855-6371        | l             |                 |              |
| Applicant/Inventor.  X Assignee of record of                                                                                                                                                          | the entire interest. See 37 CFR 3                |                 |          |                     |               |                 |              |
| SIGNATURE of Applicant or Assignee of Record                                                                                                                                                          |                                                  |                 |          |                     |               |                 |              |
| Signature //                                                                                                                                                                                          | W BO BUS                                         |                 |          |                     | Date          | June 2          | 2006         |
|                                                                                                                                                                                                       | umio Sameshima                                   |                 |          | T                   | elephone      | 949-855-1       | 246          |
| Title and Company Taiheiyo Cement Corporation                                                                                                                                                         |                                                  |                 |          |                     |               |                 |              |
| NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below. |                                                  |                 |          |                     |               |                 |              |
| *Total of                                                                                                                                                                                             | forms are submitted.                             |                 |          |                     |               |                 |              |

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.